TBPT Workspace Meeting
Meeting Notes
11/2/04

Meeting Date	November 2, 2004 12:00 – 1:00 pm EST
Attendees:	**caBIG Team:** *Greg Eley – TBPT Workspace* *Reechik Chatterjee – TBPT Workspace* **Participants:**

TBPT Teleconference Attendees - 20041102

Name	**Institution**
Kishor Batia	
David Aronow	Ardais Corp
Cathy Counsell	Ardais Corporation
Robert Lanese	Case Western University
Kyle Allain	Cerner Corporation
Barbara Schaeffer	Dartmouth University
Christen Chambers	Dartmouth University
Gunther Schadow	Indiana University
Susanne Ragg	Indiana University
John Speakman	Memorial Sloan Kettering CC
Fei Xu	National Cancer Institute
Larry Wright	National Cancer Institute
Andrew Winter	Northwestern University
Deborah Krepke	The Jackson Laboratory
Jack London	Thomas Jefferson Unversity
Rob Klien	University of Arizona
Andrea Hwang	University of California, Irvine
David Fenstermacher	University of Pennsylvania
Tara McSherry	University of Pennsylvania
John Gilbertson	University of Pittsburgh Medical Center
Rebecca Crowley	University of Pittsburgh Medical Center
Linda Schmandt	University of Pittsburgh Medical Center
Bob Morell	Wake Forest University
Mark Watson	Washington University
Rakesh Nagarajan	Washington University

Agenda	**1. Overview of caTISSUE**
1. Overview of caTISSUE	The meeting began with roll-call and a brief introduction by Greg Eley of caTISSUE and the planned development effort. A recent constraint added to the development of caTISSUE is the requirement for a functioning prototype in 6 mos. The tight timeline will impact how caTISSUE is developed and how each institution will contribute to the effort. Additionally, Greg re-iterated the caBIG principle of open source development. And lastly, he

TBPT Workspace Meeting
Meeting Notes
11/2/04

revisited the fact that an agreed upon set of vocabularies and common data elements should be developed by the TBPTWS to ensure proper grid functionality of caTISSUE and all subsequent applications. After this brief introduction, the discussion was handed to Mark Watson (Washington University) and John Gilbertson (UPCI) to present an overview of caTISSUE and the caTISSUE development process.

caTISSUE has two major aspects: caTISSUE Lite and caTISSUE Annotations/Mapping Tools/SDK. caTISSUE Lite will provide tissue bank management capabilities from the ground-up. It will be designed for institutions that would like to fully replace their current tissue bank management system. caTISSUE Lite will leverage standard vocabularies and Common Data Elements, it will be modular in design allowing additional plug-in functionality, and will publish an Application Programming Interface to promote the development of additional modules. Washington University will lead the development of caTISSUE Lite.

The caTISSUE Annotation/Mapping Tools/SDK modules will provide for unprecedented annotation and data mapping capabilities and interoperability. The purpose of the Annotations module is to facilitate integration of all matter of related data to any given tissue sample. Example annotation modules include demographics, additional pathology information, clinical data, laboratory test results, genomics, etc. The mapping tools will facilitate mapping legacy databases to a caDSR compliant model that will enable broader interoperation between databases (both internal and external to an institution). The overall goal for this set of modules is integration of data. It will build upon the core caTISSUE Object Model and allow legacy systems to communicate with the grid.

Cancer Centers will not be forced to use a given system. People will be allowed to map to a particular object model if they wish to do so. The modular design of caTISSUE will enable groups to use/add modules as needed.

Cancer Center members stated that a caTISSUE object model must be developed as a first step. The group came to a general consensus that Adopters will work with the Developer Institutions to gather both functional requirements and use cases. Group members also stated that it was important that members of the Data Sharing and Intellectual Capital Workspace (DSIC) establish clear guidelines for caTISSUE developers to follow regarding data sharing governance issues.

As a first step in the development cycle, a Vision document for caTISSUE will be drafted and reviewed by the workspace. In conjunction with the Vision document codification, use cases will be gathered by each institution in the TBPTWS. In addition, a functional specification document, CDE's, an object model, and the basic properties of tissue samples all need to be formulated.

TBPT Workspace Meeting
Meeting Notes
11/2/04

The first iteration of CDE development will evolve around tissue management and a couple of tumor types. Pathology CDE's are more complex than object model CDE's which will result in a longer time to release for disease related CDEs. However, to aid in the development of pathology CDEs, the College of American Pathologist (CAP) Protocols and the NAACCR Standards will all be entered into the caDSR.

Developing the appropriate data mapping and clinical mapping tools is vital to the success of caTISSUE. Regarding the clinical annotation space, there are two critical questions that need to be answered. They are, what we are doing, and why are we doing what we are doing. John Gilbertson has released a white paper that initiates the dialogue on pathology annotations in the context of an enterprise tissue banking system. Comments on the paper are highly encouraged.

Functionally, the annotations module will work to integrate disparate information regarding a patient. Currently, every patient included in a study has a tissue sample somewhere. It is important that all information about an individual patient be gathered from the various systems on which it resides, and then transform the data into the caTISSUE object model. From the object model in caDSR, CDE's can be mapped onto a variety of presentations, including caBIG and others. One can then push that data into a tissue bank, where the data can be put together.

It was stated that there are some basic processes common to all Cancer Centers tissue bank management systems, such as the financial modules, that will need to be considered. These modules will be addressed as the system is developed, but may be scheduled for insertion in later releases.

A final point of creating a training and support system for caTISSUE will be necessary. The TBPTWS should address the Training WS for guidance on establishing an effective training system.

Below are some questions that were raised during the discussion.

Questions/Answers:

Q1 – Bill Grizzle – We need to reach out to the community to ensure we are leveraging good design features that are already present.

A1 – Mark Watson – We are doing this. This is the first part of what we are proposing to accomplish. The first aspect of the development effort needs to be a comprehensive requirements analysis. This will encompass gathering use-cases, reviewing current systems, and working with each Cancer Center to understand their needs.

R1 – Bill Grizzle – Regardless of the method, we need to find a way to get people to see what other systems are available.

TBPT Workspace Meeting
Meeting Notes
11/2/04

Q2 – Bob Morell – A vital aspect to any tissue bank management system is the financial and accounting/billing module. Our current tissue bank management system is able to communicate directly to the institution's billing system. There was no mention of a billing system in the presentation. We should consider a good way to handle billing.

A2 – Mark Watson – Billing is a very important module, but not the top priority. We will focus on building the core tissue banking functionality as a top priority. We do expect to provide a billing module, but we do not expect it to be a part of the prototype release in 6 months.

Q3 – Kyle Allain – How does this project relate to the NBN report?

A3 – Bill Grizzle – This effort could assume the informatics role of the NBN.

A3 – Greg Eley – We would need to investigate this issue in more detail. We are not set up to be the pathology informatics arm of the NBN, but our solutions could impact their efforts.

Bill Grizzle – We should create a help desk to provide the support for caTISSUE to assist with training and documentation.

Action Items:

Individual Responsible	Action Item	Due Date	Notes
TBPT Workspace members	20041102-1	11/16/04	Provide feedback on the Whitepaper.
Greg Eley	20041102-2	11/16/04	Determine best method to create a community accessible thread for most communications regarding caTISSUE. This could be a wiki, a LISTSEV, a web Blog, or others.

TBPT Workspace Meeting
Meeting Notes
11/2/04

	Greg Eley	20041102-3	11/16/04	Send out logistical information regarding F2F meeting Nov.29, Nov.30.
	Greg Eley	20041102-4	11/16/04	Look into cooperating with NBN.
	Bill Grizzle and Mark Watson	20041102-5	11/16/04	Approach the Training Workspace to inquire about training for TBPT products (i.e. caTIES, caTISSUE, etc.).